

REMARKS

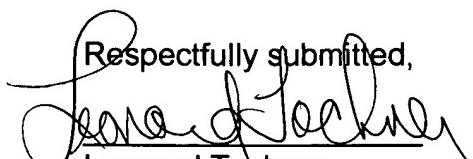
Claims 1-28 are pending. Claims 1-28 are rejected under 35 USC 102(e) as being anticipated by Huang et al.

Although the methodologies of Huang et al and Applicants' invention are similar, Huang et al focused on the disclosure for IP packets (a Layer 3 network protocol) while the present invention can address a number of protocols in different network layers (e.g., Ethernet and ATM in Layer 2, IP in Layer 3, TCP/UDP in Layer 4, HTTP in Layer 7, etc.). Note that the ISO (International Organization for Standardization) define a 7-layer network structure for data communications. The present invention can be used for any one or combination of the 7 layers, as long as data comes with a packet format.

In Huang et al, the disclosure is centered around IP packets as evidenced in Figure 7D, 7E, and 7F, as well as the associated discussion at Columns 11-13 where the algorithms only work for IP headers and packets. Another indication is in Figure 5A which illustrates the implementation architecture. The modules discussed in Figure 5A (especially IAA Module and Encapsulation Module) (Columns 13-16) are also only for IP packets. In contrast, the present invention is not specifically designed for one type of packet, thus can be generalized for packets such as Ethernet and ATM in Layer 2, IP in Layer 3, TCP/UDP in Layer 4, HTTP in Layer 7, etc. The Applicant uses "header" as their generality. This is reflected in Figure 2 of the application where only two general modules (Memory and Controller) are employed. This implementation provides a much greater flexibility in handling data packets because the data packets can be compressed based on IP network layer protocol (as in Huang et al), on web browsing HTTP protocol, or on some other protocol.

AMENDMENT Continued
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The claims herein have now been amended to reflect this advantageous choice of compression protocols not available in Huang et al. Reconsideration and allowance are therefore earnestly solicited.

Respectfully submitted,

Leonard Tachner
Attorney for the Applicant(s)
Registration No. 26,344

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LT/jf
(949) 752-8525 Telephone
(949) 955-2415 Telefax

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LEONARD TACHNER, Registered Patent Attorney

(Signature) (date)